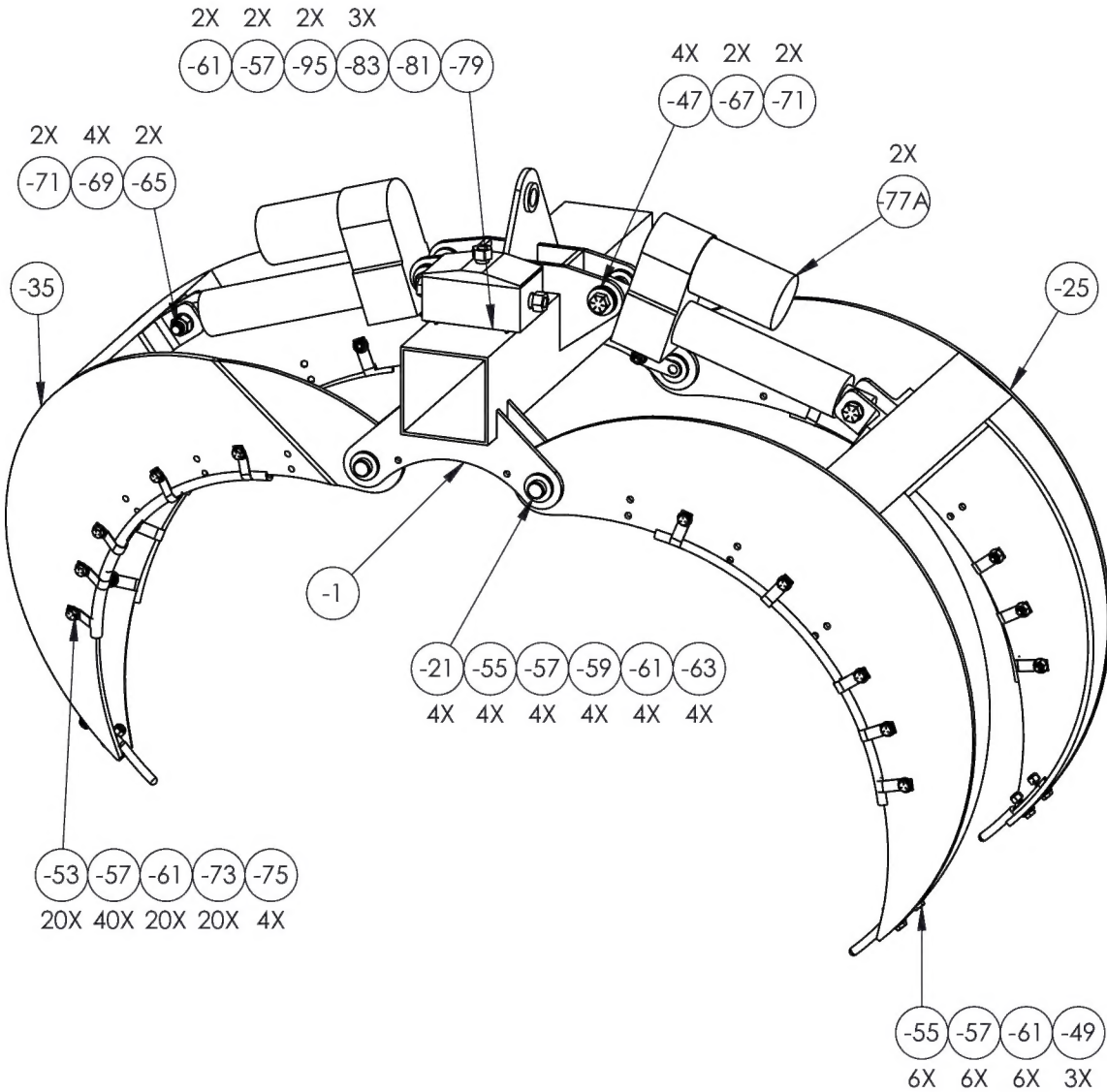


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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
APPROVED				

ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
										X	-1	1	LIFT TUBE WELDMENT			2
										1	-3		CENTER CROSS TUBE	6061		3
										X	1		LIFT PLATE WELDMENT			4
										1	-7		LIFT PLATE	6061		5
1	1		1			2	1	1			-9		BUSHING	6061		6
							X			4	-11		SIDE PLATE WELDMENT			7
							1				-13		SIDE PLATE	6061		8
										2	-15		SIDE PLATE SPACER	6061		9
							X			4	-17		HINGE BRACKET WELDMENT			10
							1				-19		HINGE BRACKET	6061		11
											-21	4	HINGE PIN WELDMENT			12
							X				-23		STRAP	HR P&O		13
							1				-25	1	STRAIGHT FINGER WELDMENT			14
			X	2							-27		FINGER BUSHING WELDMENT			15
			1								-29		STRAIGHT FINGER	6061		16
				1							-31		LONG CROSS TUBE	6061		17
				1							-33A		LONG STIFFENER (L)	6061		18
				1							-33B		LONG STIFFENER (R)	6061		19
		X									-35	1	BENT FINGER WELDMENT			20
	X	1									-37A		BENT FINGER BUSHING WELDMENT (L)			21
X		1									-37B		BENT FINGER BUSHING WELDMENT (R)			22
	1										-39A		BENT FINGER (L)	6061		23
1											-39B		BENT FINGER (R)	6061		24
		1									-41		SHORT CROSS TUBE	6061		25
		1									-43		SHORT STIFFENER	6061		26
		2		2							-45		ACTUATOR BRACKET	6061		27
											-47	4	SIDE PLATE BOLT BUSHING	6061		28
											-49	3	HOOK	S.S.	FLUSH GATE LATCH (MCMaster-CARR #1771A12 MODIFIED)	29
					1						B/O	-51	PIN	STEEL	Ø3/4 X 2-1/4 (MCMaster-CARR #98381A809)	12
											B/O	-53	HEX HEAD CAP SCREW	S.S.	1/4-20 X 7/8 (MCMaster-CARR #93190A541)	1
											B/O	-55	HEX HEAD CAP SCREW	S.S.	1/4-20 X 1 (MCMaster-CARR #93190A542)	1
											B/O	-57	WASHER	S.S.	Ø1/4 ID (MCMaster-CARR #91950A029)	1
											B/O	-59	HEX NUT	S.S.	1/4-20 (MCMaster-CARR #90257A029)	1
											B/O	-61	NYLON-INSERT HEX LOCKNUT	S.S.	1/4-20 (MCMaster-CARR #90715A125)	1
											B/O	-63	SLEEVE BEARING	BRONZE	3/4 ID X 7/8 OD X 5/8 (SYMMCO# SS-2428-10)	1
											B/O	-65	HEX HEAD CAP SCREW	STEEL GRADE 8	1/2-13 X 2-3/4 (MCMaster-CARR #91257A723)	1
											B/O	-67	HEX HEAD CAP SCREW	STEEL GRADE 8	1/2-13 X 4 (MCMaster-CARR #91257A728)	1
											B/O	-69	WASHER	S.S.	Ø1/2 ID (MCMaster-CARR #98017AS209)	1
											B/O	-71	NYLON-INSERT HEX NUT	STEEL GRADE 8	1/2-13 (MCMaster-CARR #97135A250)	1
											B/O	-73	LOOP CLAMP	S.S.	Ø1/2 OD X 1/2 (MCMaster-CARR #3225T24)	1
											B/O	-75	AIR HOSE	EPDM RUBBER	1/4 ID X 1/2 OD X 20 (MCMaster-CARR #5304K14)	1
											B/O	-77A	LINEAR ACTUATOR 2		24 VDC, 4in STROKE WARNER ELECTRIC #9220-448-004 D24-20B5-04	1
											B/O	-77B	LINEAR ACTUATOR 2		12 VDC, 4in STROKE WARNER ELECTRIC #9220-448-001 D12-20B5-04	1
											-79	1	WEATHERPROOF JUNCTION BOX	ALUMINUM	2 X 2-3/4 X 4-1/2 (MCMaster-CARR# 7219K22)	30
											B/O	-81	WEATHERPROOF BOX COVER	ALUMINUM	1/2 X 2-3/4 X 4-1/2 (MCMaster-CARR# 7219K6)	1
											B/O	-83	CORD GRIP CONNECTOR	S.S.	1/2in (MCMaster-CARR# 7458K15)	1
											B/O	-85	A/R CORD		ARTICFLEX 2/14 X 4ft (TECH IRAN #724A)	N/S
											B/O	-87	STRAIGHT BLADE PLUG	NYLON	2 POLE 3 WIRE 15amp (MCMaster-CARR# 7216K5)	N/S
											B/O	-89	MOSTURE SEAL HEAT SHRINK	POLYOLEFIN	1/2 ID TO 1/4 ID X 12in (MCMaster-CARR #74965K55)	N/S
											B/O	-91	WIRE CONNECTOR		MCMaster-CARR #7108K6	N/S
											B/O	-93	BUTT SPLICE CONNECTOR		16-14 AWG (MCMaster-CARR #9895K15)	N/S
											B/O	-95	HEX HEAD CAP SCREW	S.S.	1/4-20 X 1 SEALING (MCMaster-CARR# 92205A542)	1
ASSY -37B	ASSY -37A	ASSY -35	ASSY -27	ASSY -25	ASSY -21	ASSY -17	ASSY -11	ASSY -5	ASSY -1							



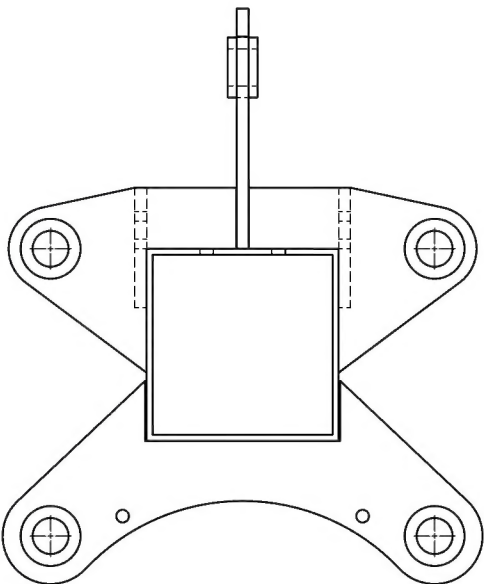
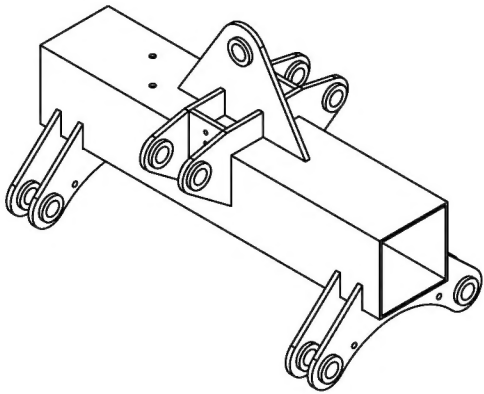
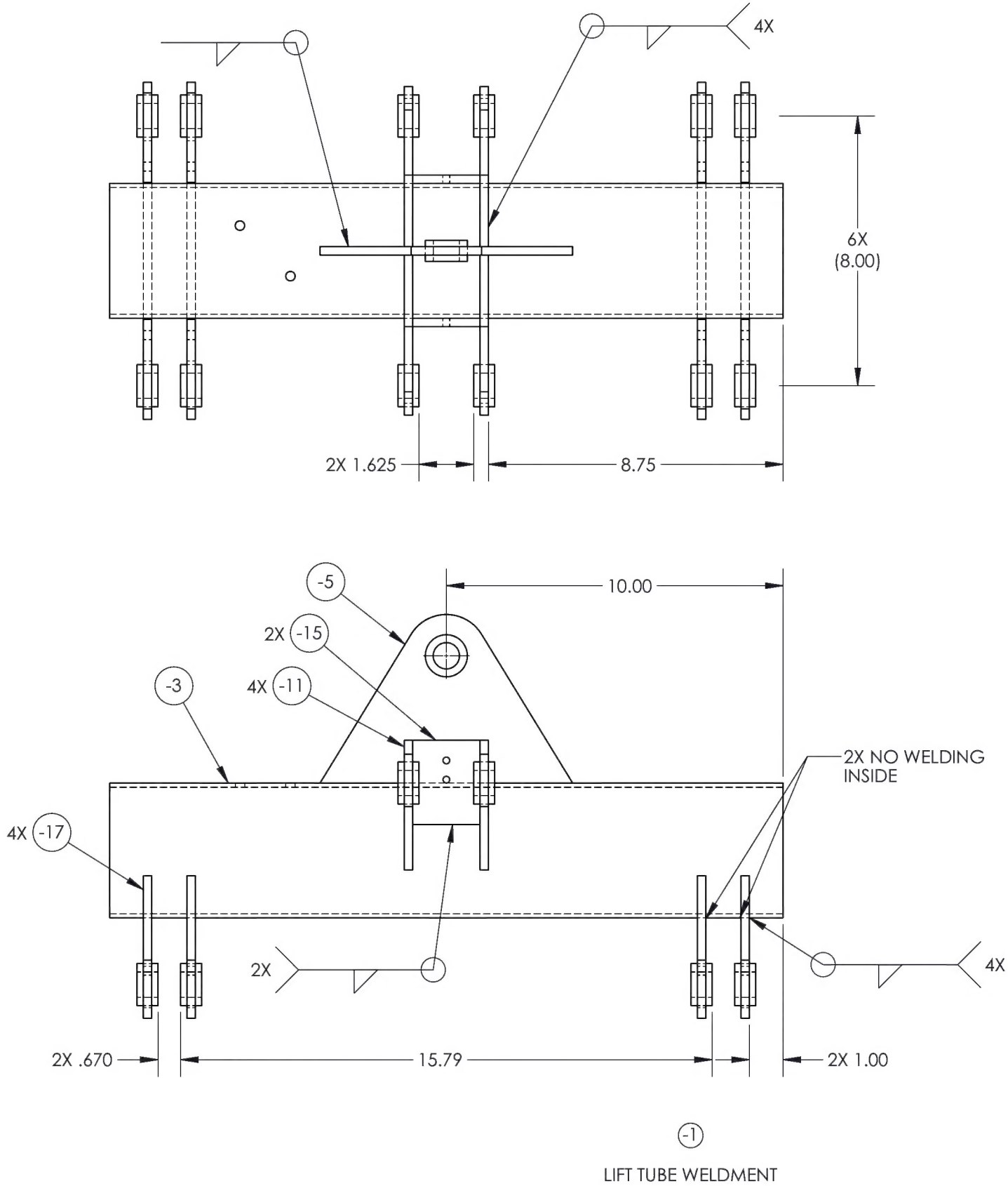
UNDER REVIEW
URF 19-1078 19.10.29 (VM)

NOTE:
1. REVERSED FROM DAMAGED DENALI SNATCHER.
2 -77A OR -77B CUSTOMER OPTION 12 OR 24 VDC ACTUATOR.

		
TITLE		
BODY SNATCHER		
DWG NO.		REV
HT-100-BG		
MAT'L	DRAWN BY: CLOUGH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
.XXX ± .005 FRACTIONS ± 1/8		
.XX ± .01 ANGLES ± 5°		
.X ± .1		
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
SPEC		<i>J. Gilbert</i>
USED ON MODEL		
SCALE	1:8	DATE 12/18/2014
		SHEET 1 OF 31

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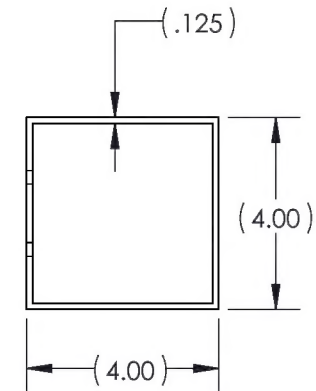
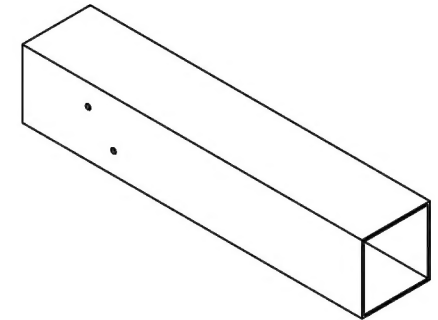
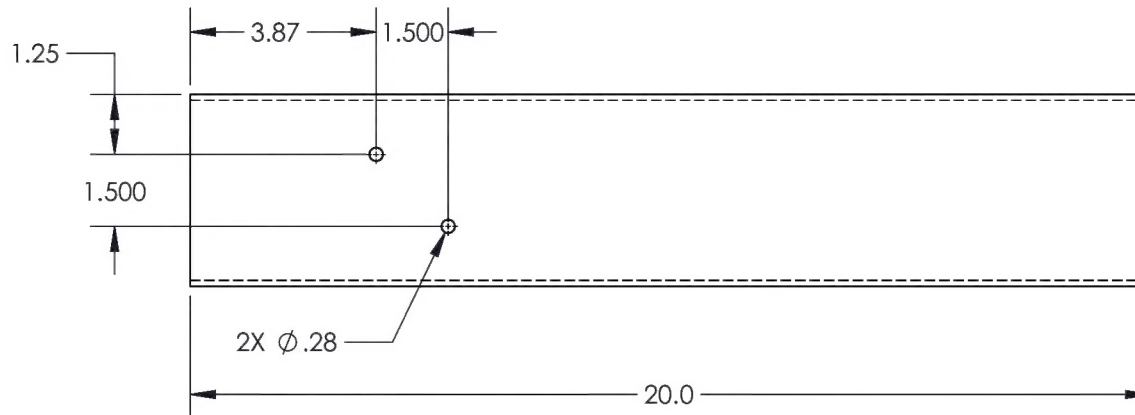


UNDER REVIEW
URF 19-1078 19.10.29 (VM)

DART AEROSPACE			
TITLE BODY SNATCHER			
DWG NO. HT-100-BG-1			REV
MAT'L		DRAWN BY: CLOUGH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>J. Gilbert</i>	
.XXX ± .005		TREAT	
.XX ± .01		FINISH	
.X ± .1		POWDER COAT	
1. BREAK ALL SHARP EDGES .015 x 45°		SPEC	
OR .015R		SAFETY ORANGE	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL	
SCALE	1:4	DATE	12/11/2014
SHEET 2 OF 31			

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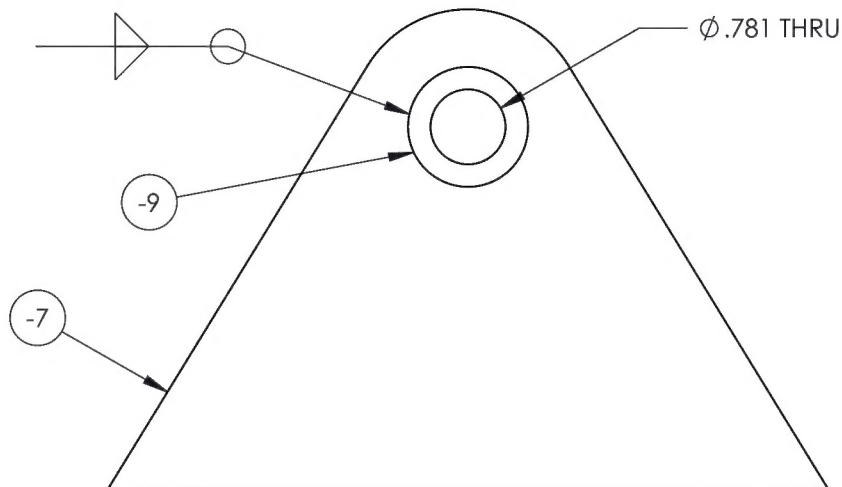
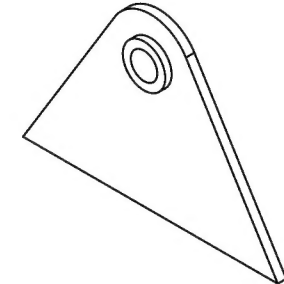
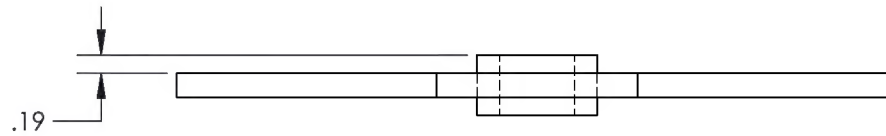
(-3)

CENTER CROSS TUBE

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-3	REV
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH SEE -1 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE 12/11/2014
SHEET 3 OF 31	

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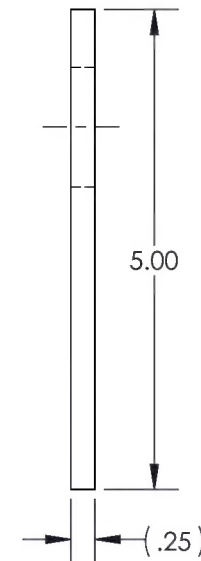
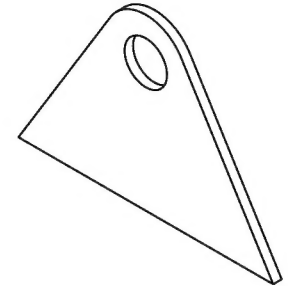
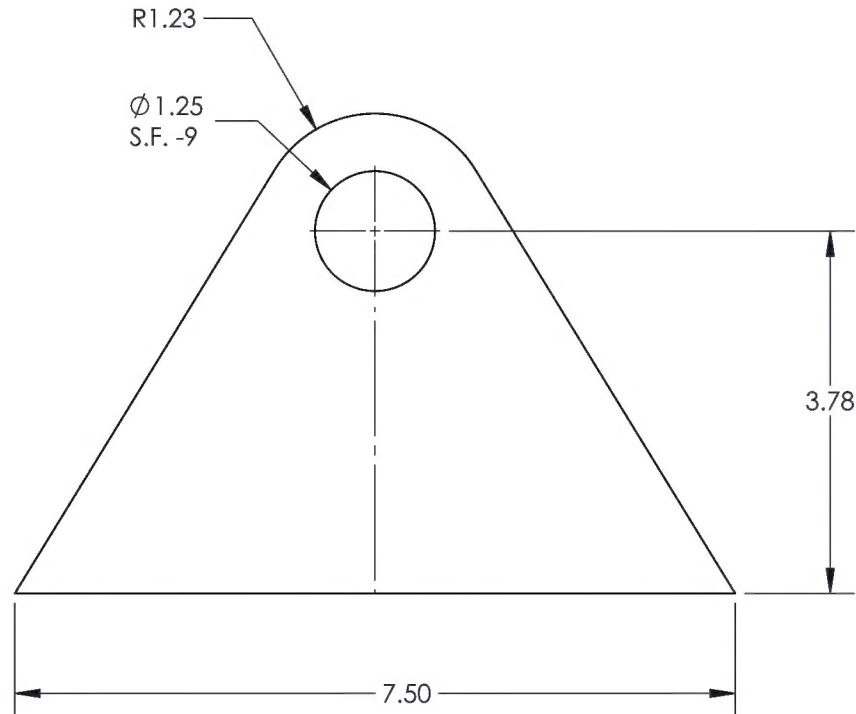
UNDER REVIEW
URF 19-1078 19.10.29 (VM)

(-5)
LIFT PLATE WELDMENT

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-5	REV
MAT'L	DRAWN BY: WALLRICH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
ANGLES ± 5°	SEE -1 WELDMENT
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:2	DATE 1/23/2015
SHEET 4 OF 31	

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				APPROVED



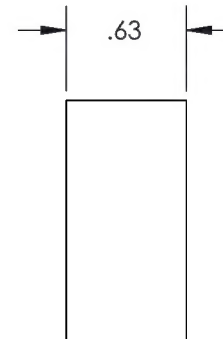
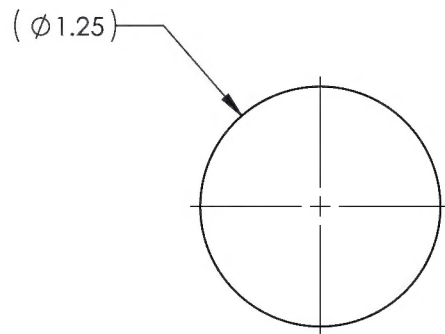
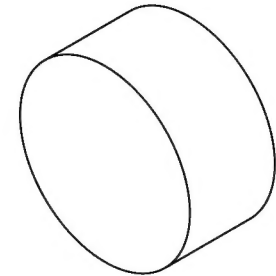
UNDER REVIEW
URF 19-1078 19.10.29 (VM)

(-7)
LIFT PLATE

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-7	REV
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .010 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .03 ANGLES ± 5°	FINISH SEE -1 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 12/11/2014
SHEET 5 OF 31	

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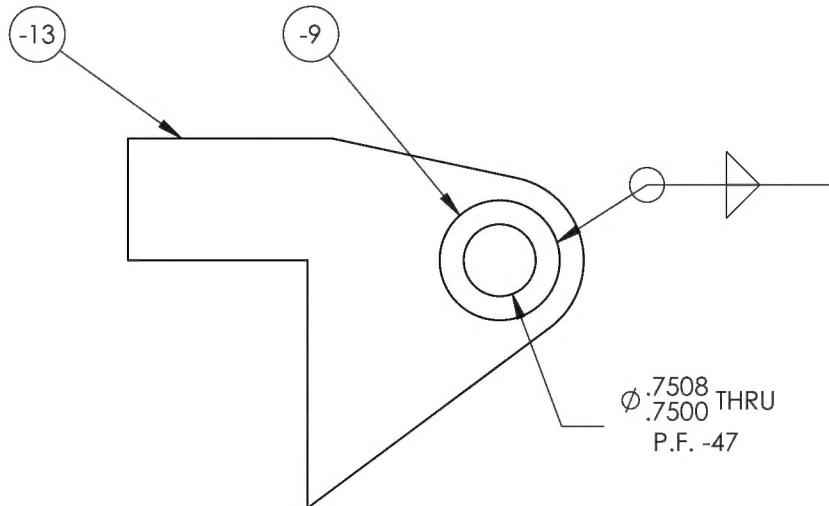
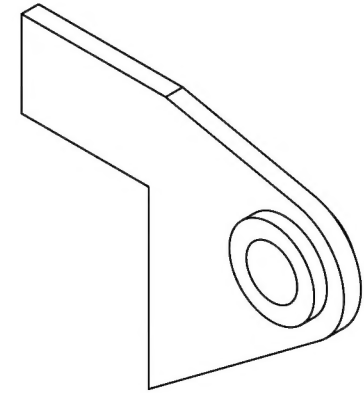
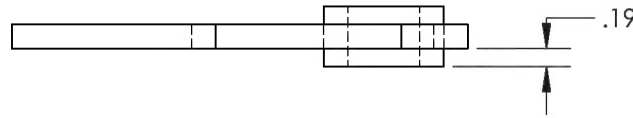
(-9)

BUSHING

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-9	REV
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH SEE -1, -25, -35 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:1	DATE 12/11/2014 SHEET 6 OF 31

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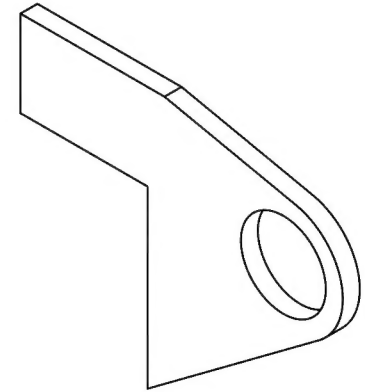
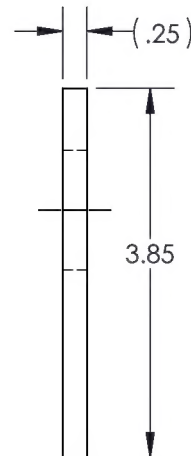
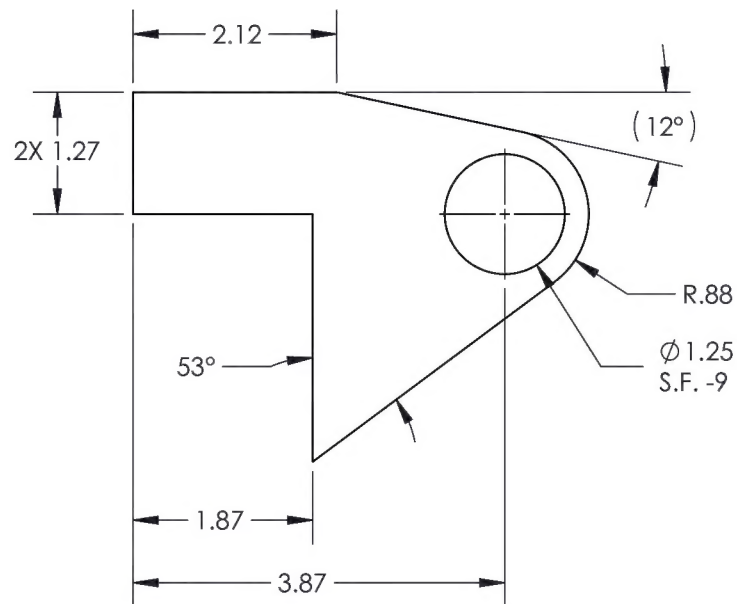
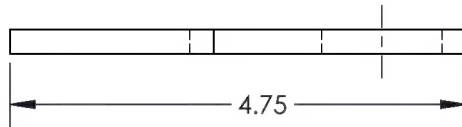
UNDER REVIEW
URF 19-1078 19.10.29 (VM)

(-11)
SIDE PLATE WELDMENT

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-11	REV
MAT'L	DRAWN BY: WALLRICH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX \pm .010	HEAT TREAT
.XX \pm .03	FINISH SEE -1 WELDMENT
.X \pm .1	ANGLES $\pm 5^\circ$
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:2	DATE 1/23/2015
SHEET 7 OF 31	

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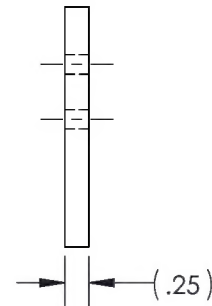
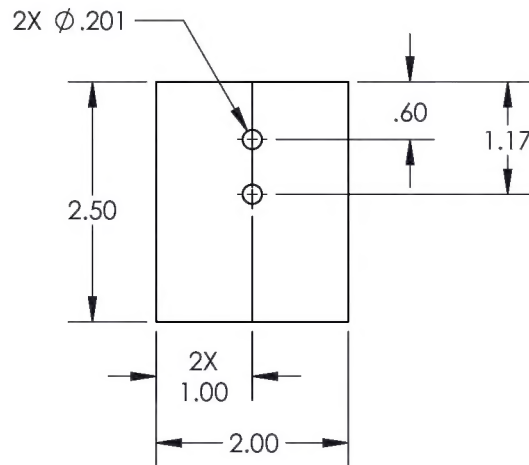
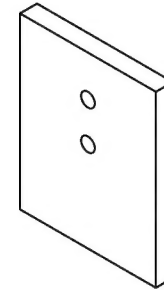
(13)

SIDE PLATE

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-13	REV
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .010	HEAT TREAT
.XX ± .03	FINISH SEE -1 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:2	DATE 12/11/2014
SHEET 8 OF 31	

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				APPROVED



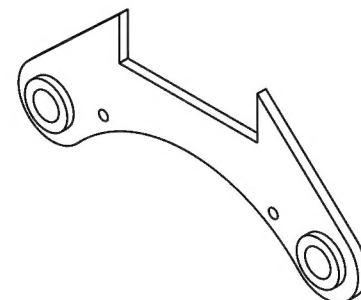
UNDER REVIEW
URF 19-1078 19.10.29 (VM)


(-15)

SIDE PLATE SPACER

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-15	REV
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .010	HEAT TREAT
.XX ± .03	FINISH SEE -1 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:2	DATE 12/11/2014
SHEET 9 OF 31	

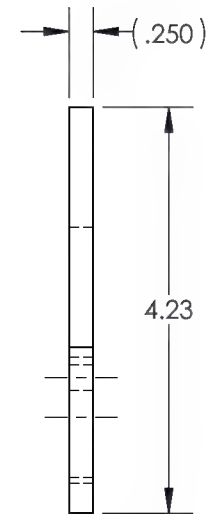
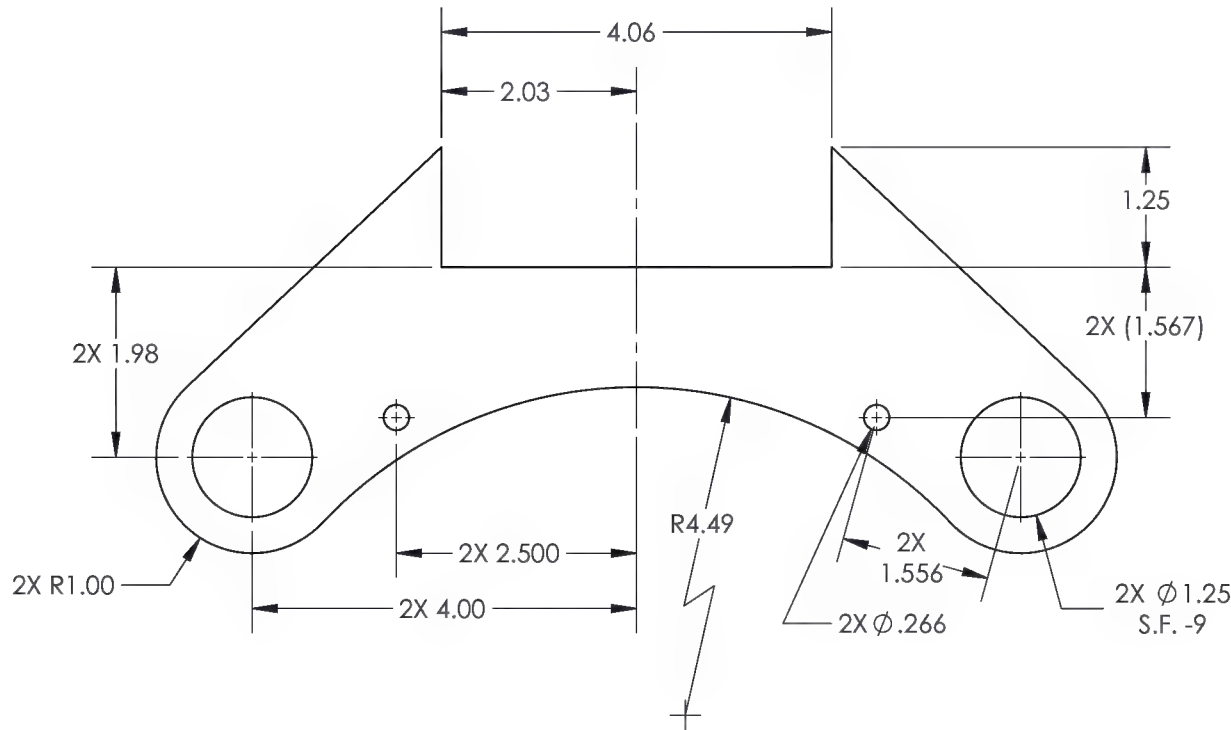
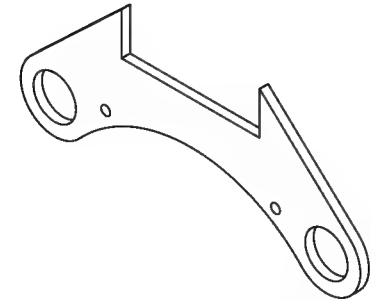
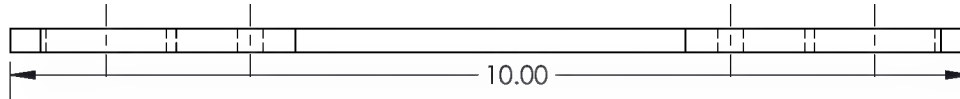
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



			
TITLE			
BODY SNATCHER			
DWG NO.			REV
HT-100-BG-17			
MAT'L		DRAWN BY: WALLRICH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1		APPROVED <i>J Gilbert</i> HEAT TREAT FINISH SEE -1 WELDMENT	
1. BREAK ALL SHARP EDGES .015 x .45" OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SPEC USED ON MODEL	
SCALE	1:2	DATE	1/23/2015
		SHEET 10 OF 31	

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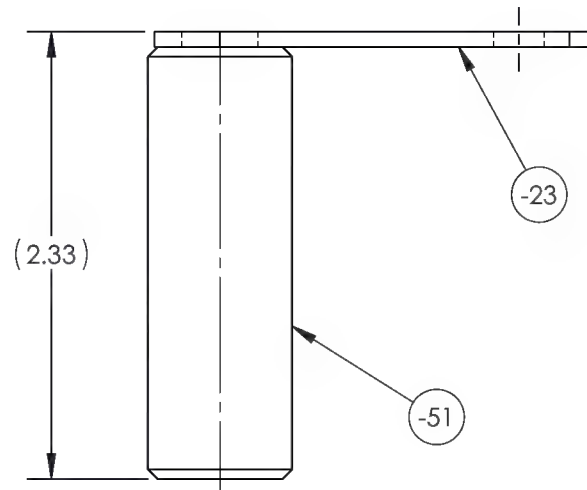
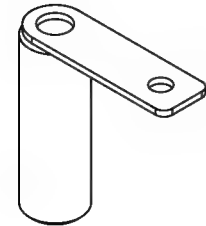
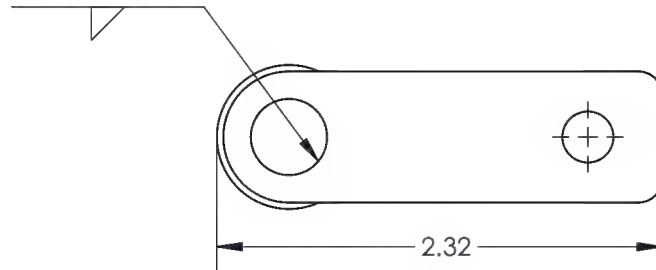
(-19)
HINGE BRACKET

UNDER REVIEW
URF 19-1078 19.10.29 (VM)

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-19	REV
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .010	HEAT TREAT
.XX ± .03	FINISH SEE -1 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:2	DATE 12/11/2014
SHEET 11 OF 31	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



(-21)

HINGE PIN WELDMENT

UNDER REVIEW

URF 19-1078 19.10.29 (VM)

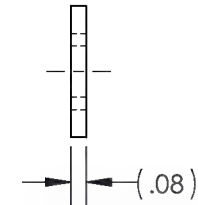
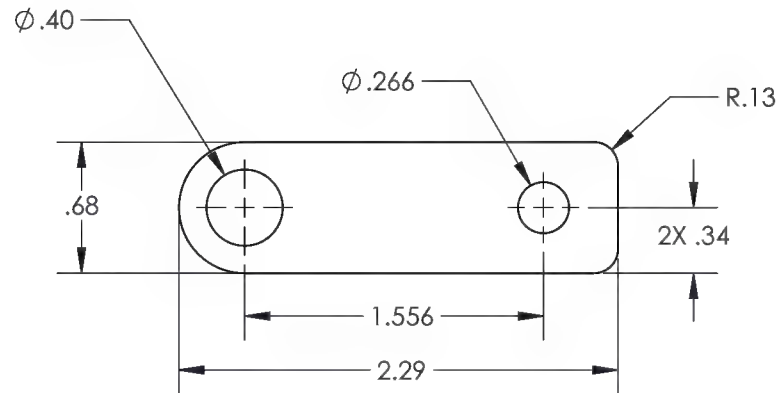
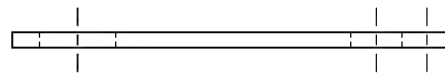
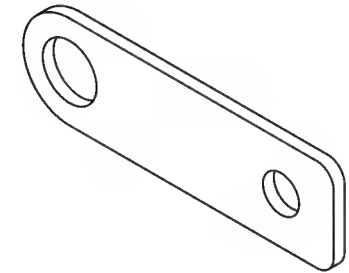
NOTE:

1. PAINT-17 STRAP BLACK AFTER WELDING.

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-21	REV
MAT'L	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
ANGLES ± 5°	SEE NOTE 1
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:1	DATE 12/12/2014
SHEET 12 OF 31	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



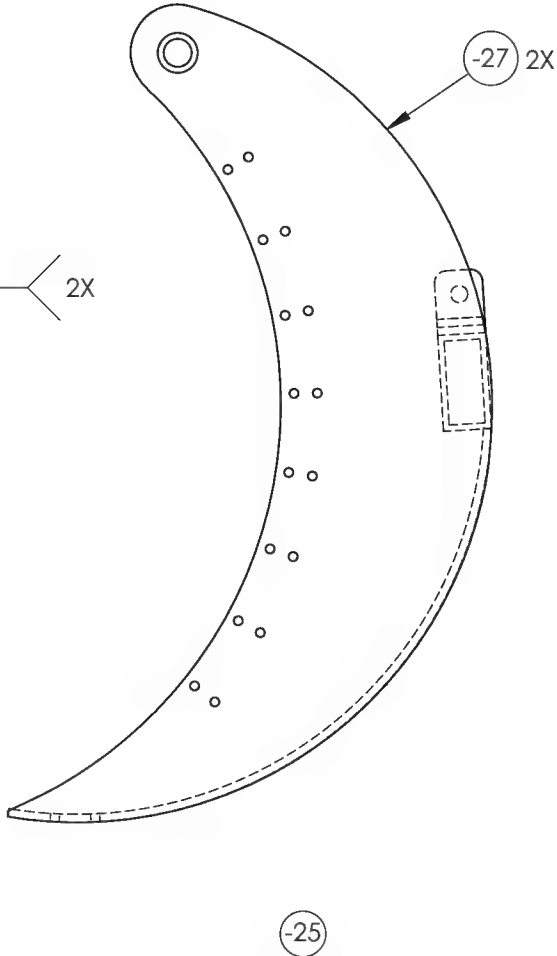
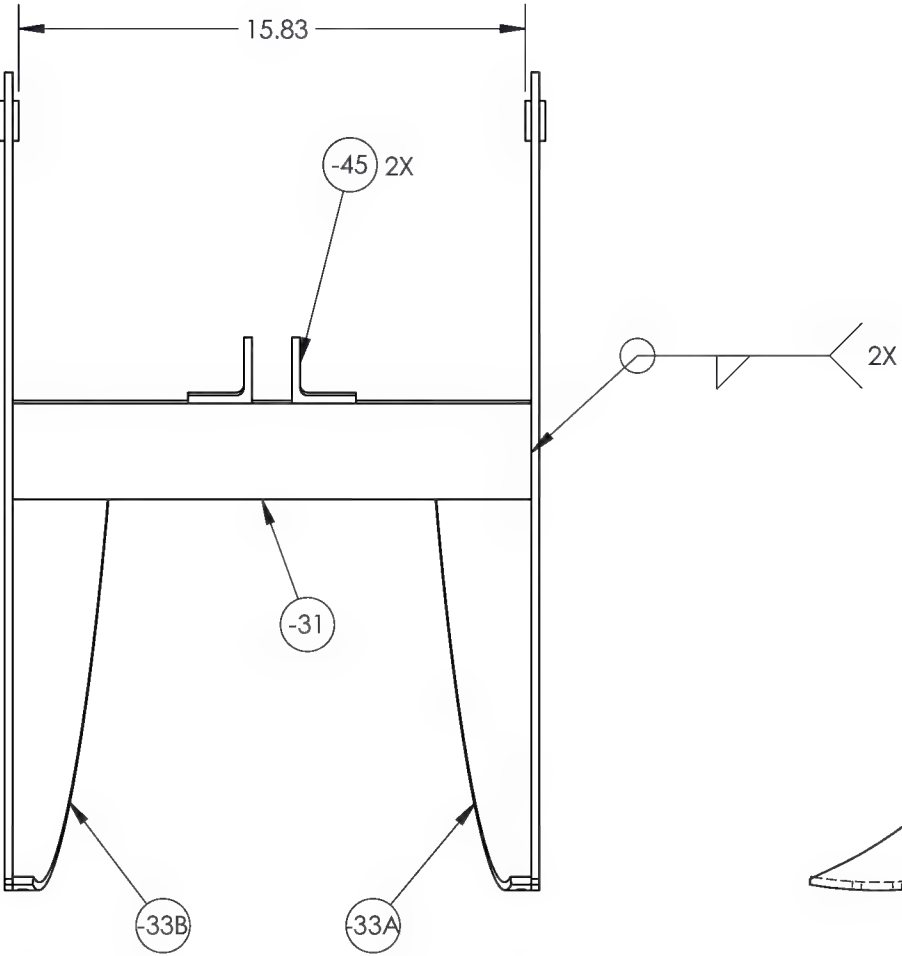
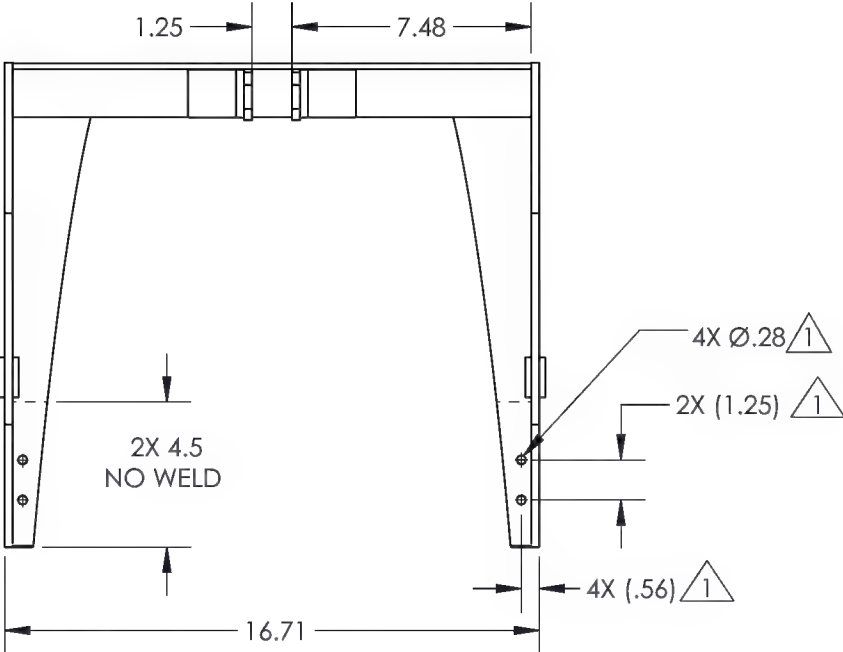
UNDER REVIEW
URF 19-1078 19.10.29 (VM)

(-23)
STRAP

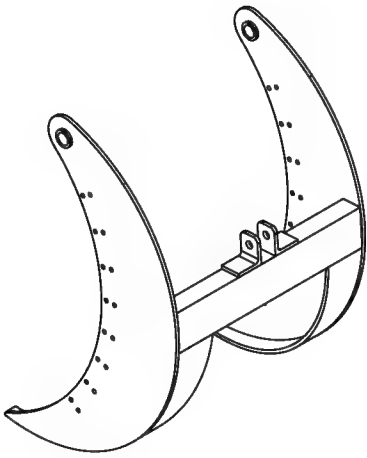
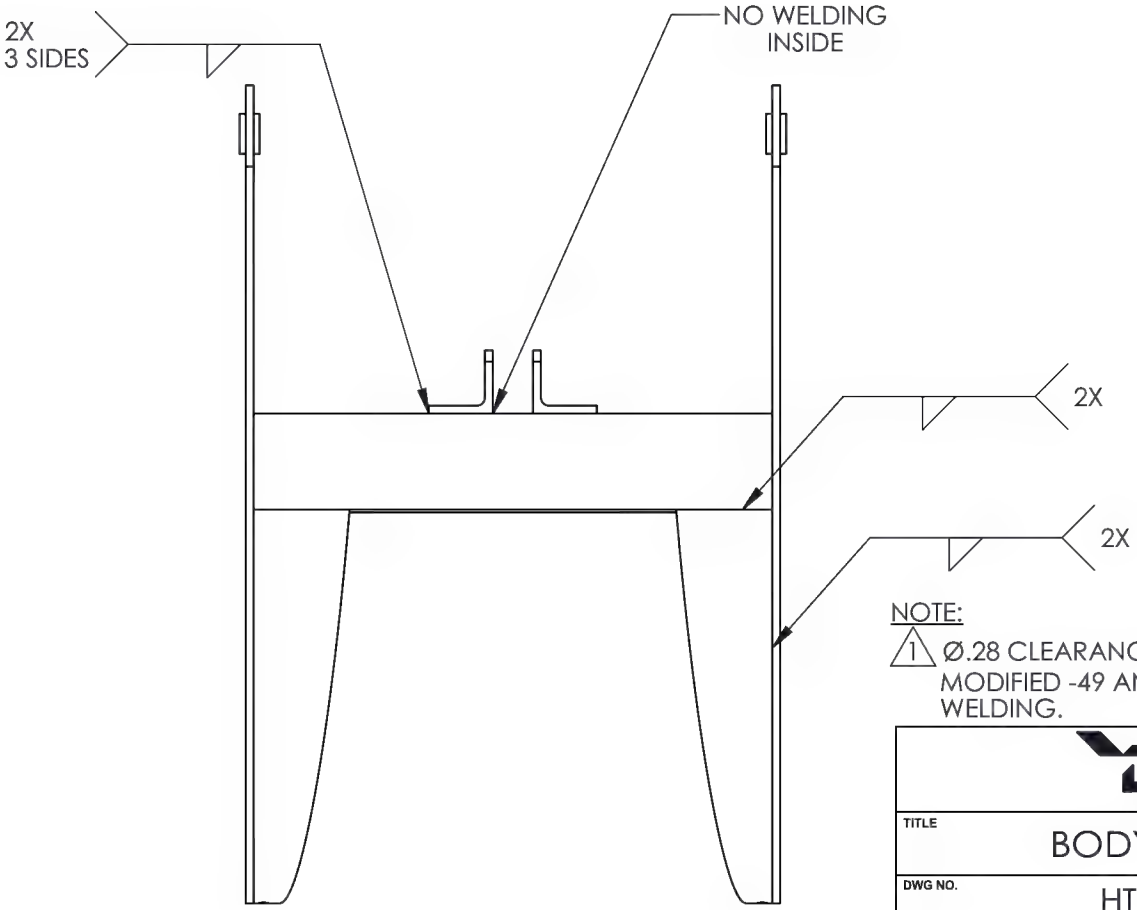
DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-23	REV
MAT'L HR P&O	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .010	HEAT TREAT
.XX ± .03	FINISH SEE -21 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:1	DATE 12/12/2014
SHEET 13 OF 31	

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REVISIONS				
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APPROVED				



STRAIGHT FINGER WELDMENT



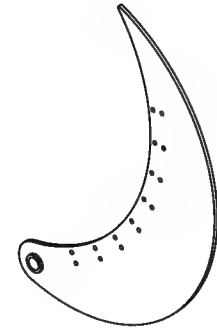
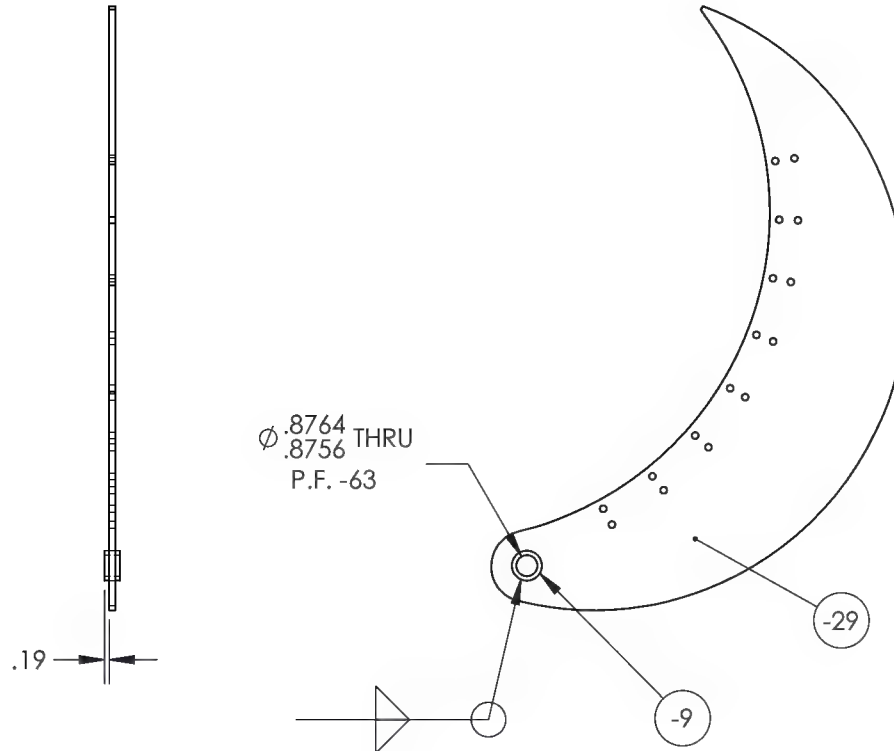
NOTE:
1 Ø.28 CLEARANCE HOLES MUST MATCH MODIFIED -49 AND BE DRILLED AFTER WELDING.

UNDER REVIEW
URF 19-1078 19.10.29 (VM)

DART AEROSPACE		
TITLE BODY SNATCHER		
DWG NO. HT-100-BG-25		REV
MATERIAL UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 5° .X ± .1 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		DRAWN BY: CLOUGH APPROVED J. Gilbert TREAT FINISH POWDER COAT SPEC SAFETY ORANGE USED ON MODEL
SCALE 1:6	DATE 12/15/2014	SHEET 14 OF 31

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



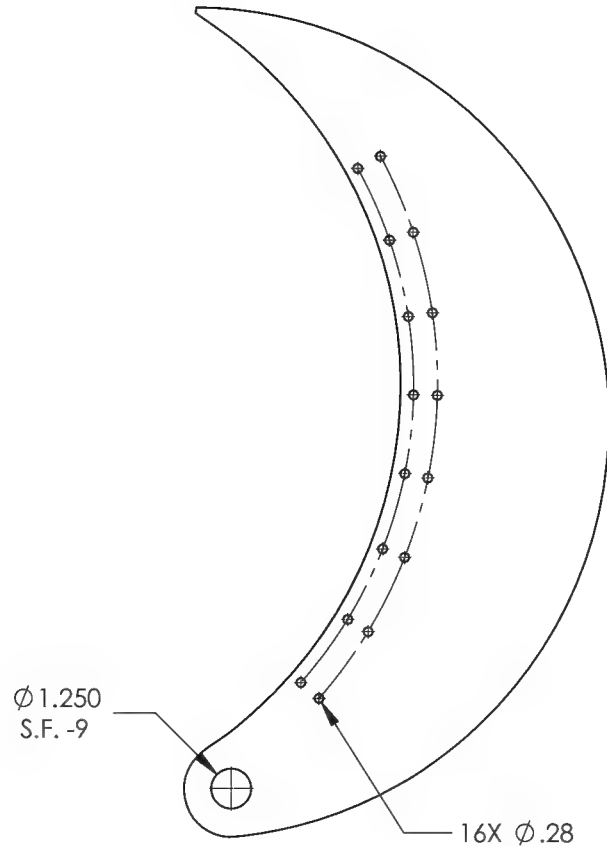
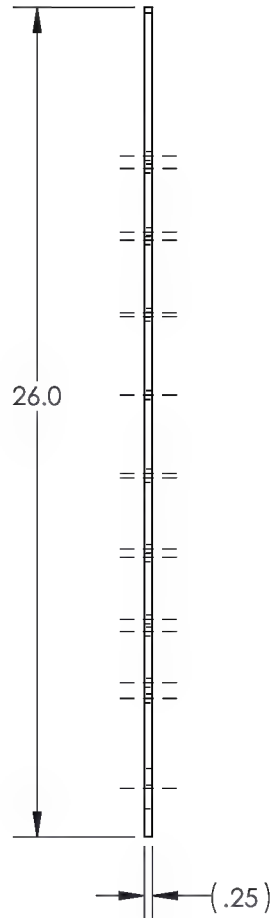
UNDER REVIEW
URF 19-1078 19.10.29 (VM)

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-27	REV
MAT'L	DRAWN BY: WALLRICH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH SEE -25 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:8	DATE 1/23/2015
SHEET 15 OF 31	

(-27)
FINGER BUSHING WELDMENT

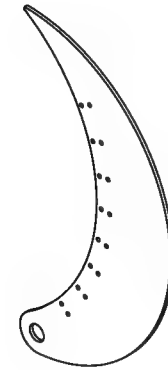
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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



(-29)

STRAIGHT FINGER



UNDER REVIEW

URF 19-1078 19.10.29 (VM)

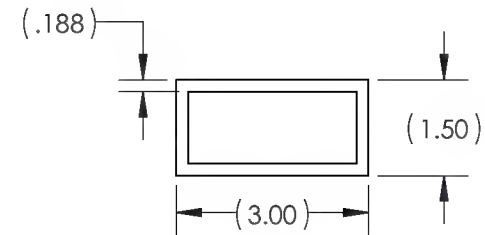
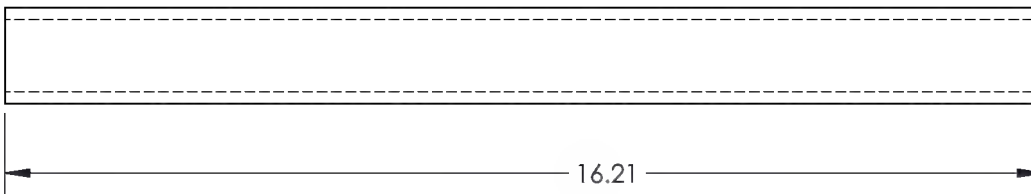
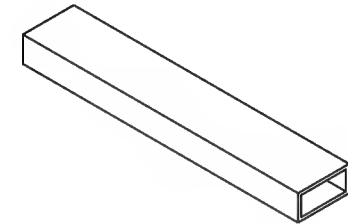
NOTE:

1. USE DXF FOR PART PROFILE. USE THIS TO MAKE -39A AND -39B BEFORE BENDING.

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-29	REV
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX $\pm .010$	HEAT TREAT
.XX $\pm .03$	FINISH SEE -25 WELDMENT
.X $\pm .1$	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:6	DATE 12/15/2014
SHEET 16 OF 31	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



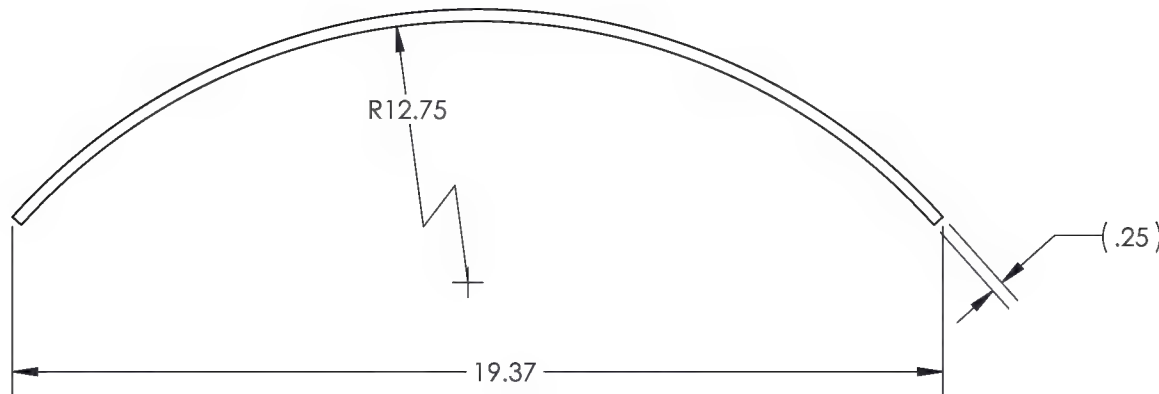
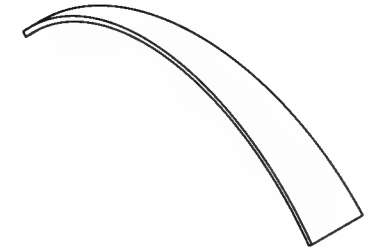
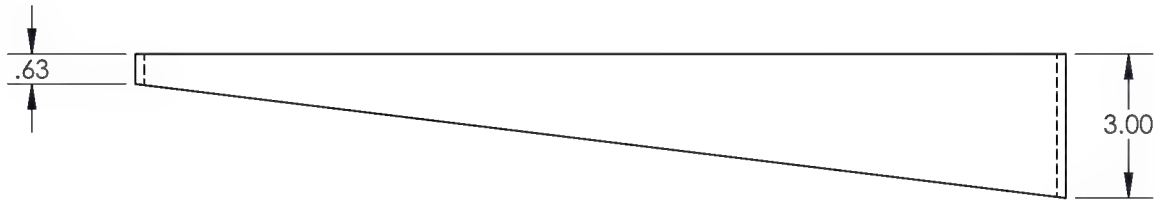
UNDER REVIEW
URF 19-1078 19.10.29 (VM)

(-31)
LONG CROSS TUBE

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-31	REV
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH SEE -25 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:3	DATE 12/11/2014
SHEET 17 OF 31	

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REVISIONS				
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				APPROVED



UNDER REVIEW

URF 19-1078 19.10.29 (VM)

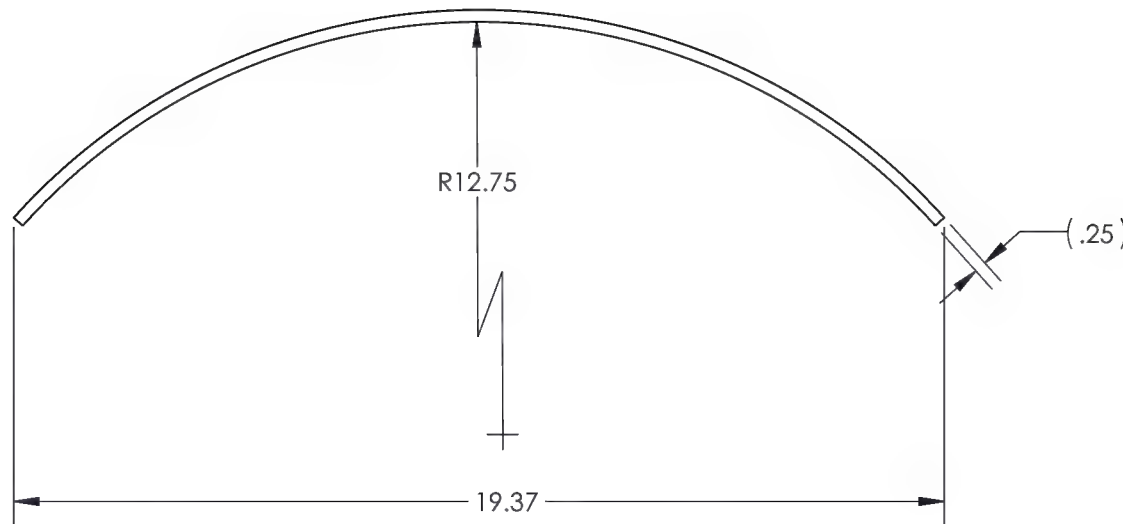
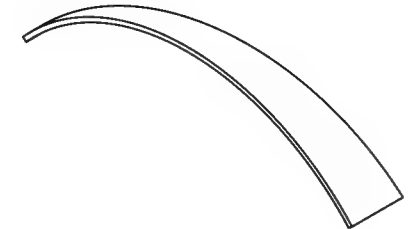
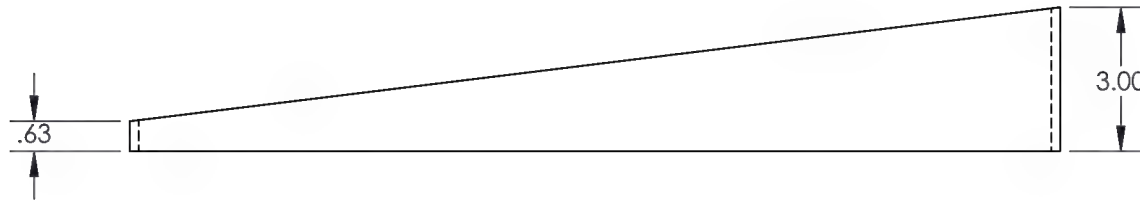
(-33A)

LONG STIFFENER (L)

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-33A	REV
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .010	HEAT TREAT
.XX ± .03	FINISH SEE -25 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:4	DATE 12/11/2014
SHEET 18 OF 31	

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REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



UNDER REVIEW
URF 19-1078 19.10.29 (VM)

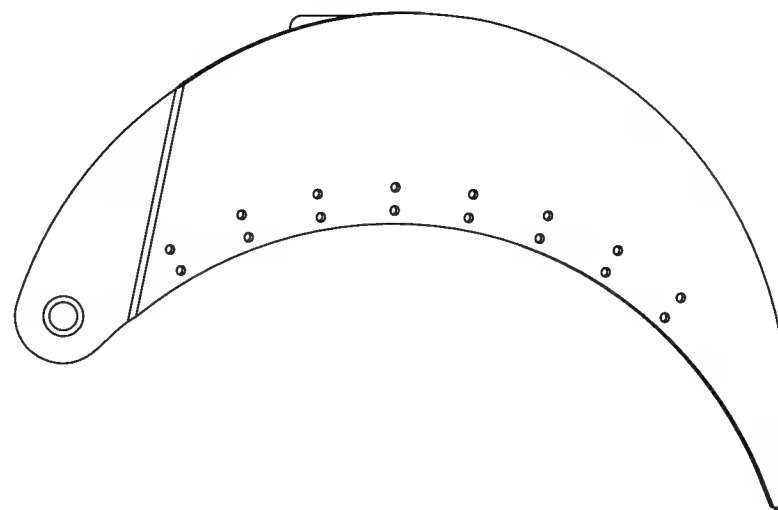
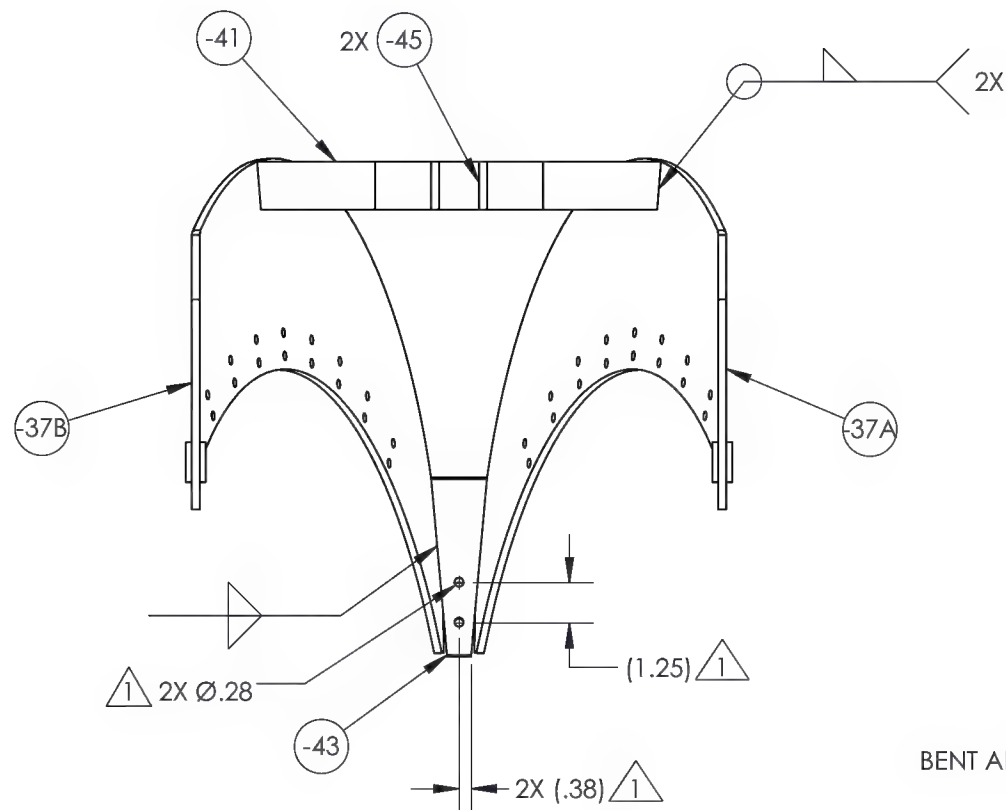
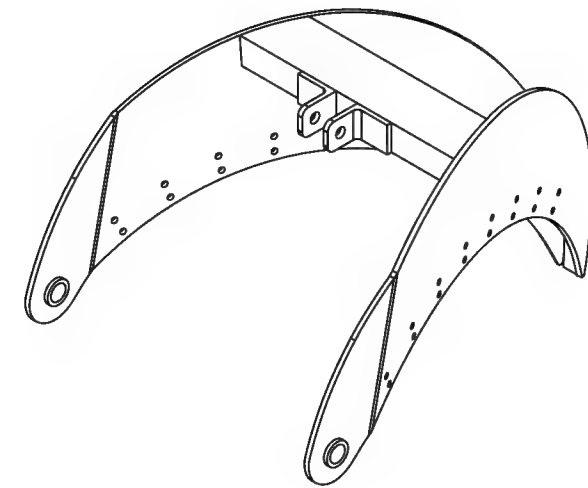
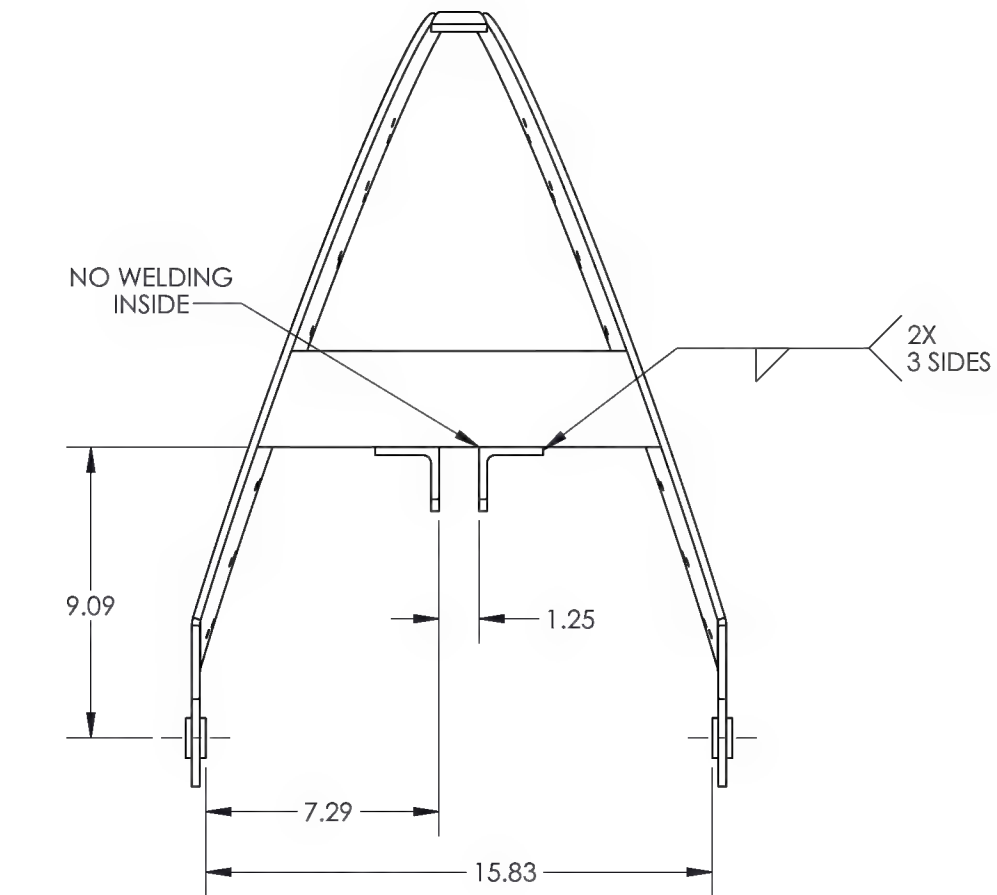
(-33B)

LONG STIFFENER (R)

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-33B	REV
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .010	HEAT TREAT
.XX ± .03	FINISH SEE -25 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:4	DATE 12/11/2014
SHEET 19 OF 31	

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REV	ECR	DESCRIPTION	DATE	INITIAL
APPROVED				



UNDER REVIEW

URF 19-1078 19.10.29 (VM)

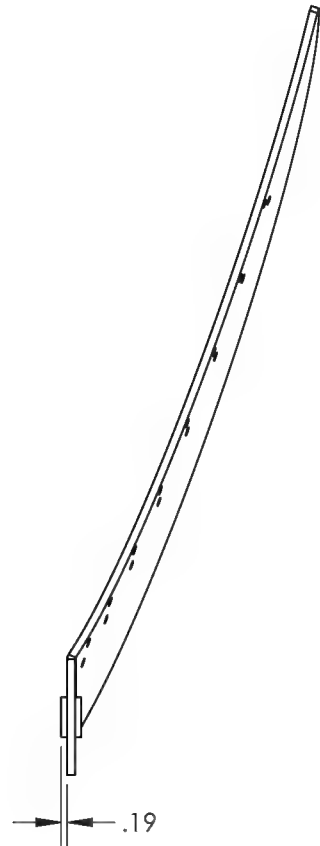
NOTE:

1 Ø.28 CLEARANCE HOLES MUST MATCH MODIFIED -49 AND BE DRILLED AFTER WELDING.

DART AEROSPACE			
TITLE		BODY SNATCHER	
DWG NO.		HT-100-BG-35	REV
MAT'L		DRAWN BY: CLOUGH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>J. Gilbert</i>	
.XXX ± .010		HEAT TREAT	
.XX ± .03		FINISH	
.X ± .1		POWDER COAT	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		SPEC	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SAFETY ORANGE	
		USED ON MODEL	
SCALE		1:6	DATE 12/18/2014
		SHEET 20 OF 31	

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				APPROVED

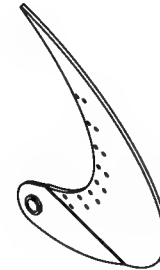
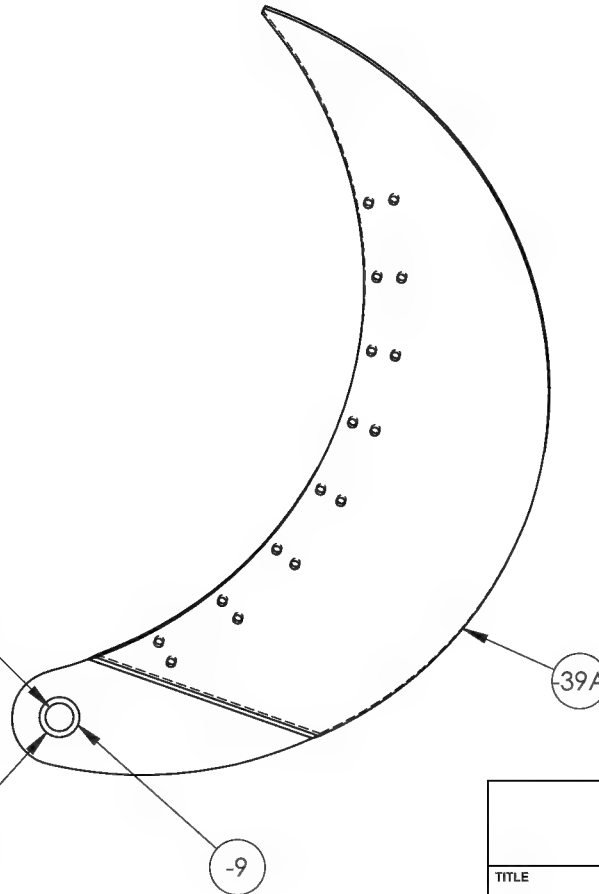


Ø.8764 THRU
.8756
P.F. -63



-37A

BENT FINGER BUSHING WELDMENT (L)

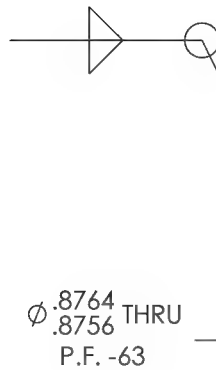
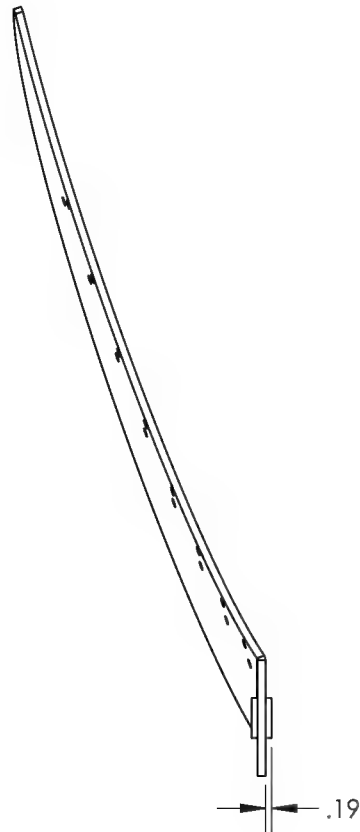


UNDER REVIEW
URF 19-1078 19.10.29 (VM)

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-37A	REV
MAT'L	DRAWN BY: WALLRICH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH SEE -35 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:6	DATE 1/22/2015
SHEET 21 OF 31	

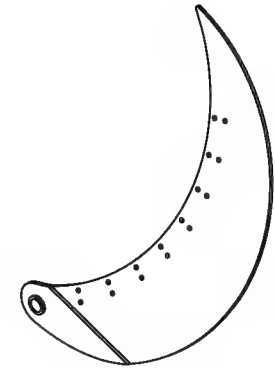
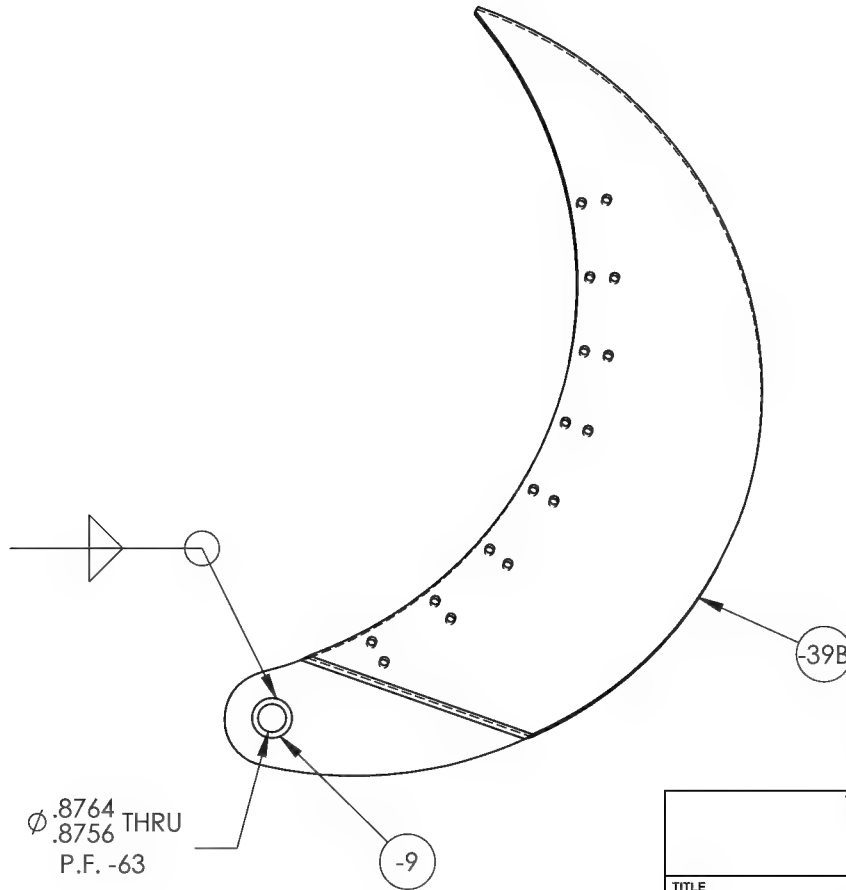
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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



-37B

BENT FINGER BUSHING WELDMENT (R)

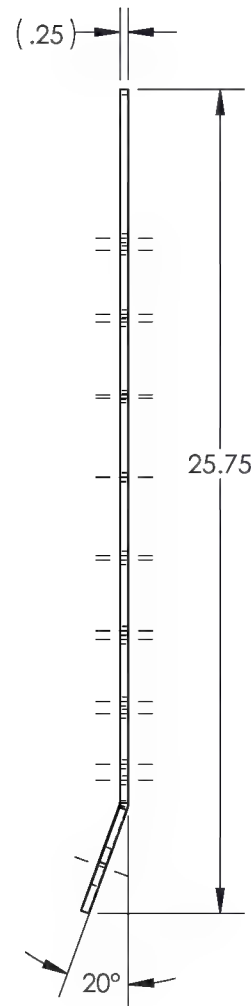
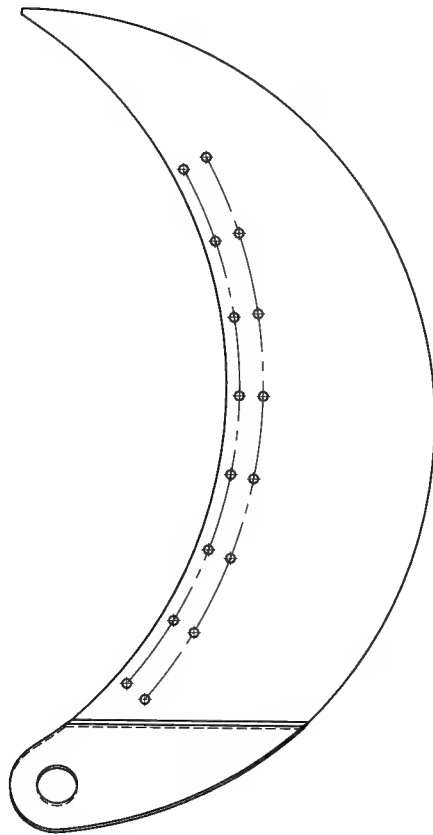


UNDER REVIEW
URF 19-1078 19.10.29 (VM)

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-37B	REV
MAT'L	DRAWN BY: WALLRICH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH SEE -35 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:6	DATE 1/22/2015
SHEET 22 OF 31	

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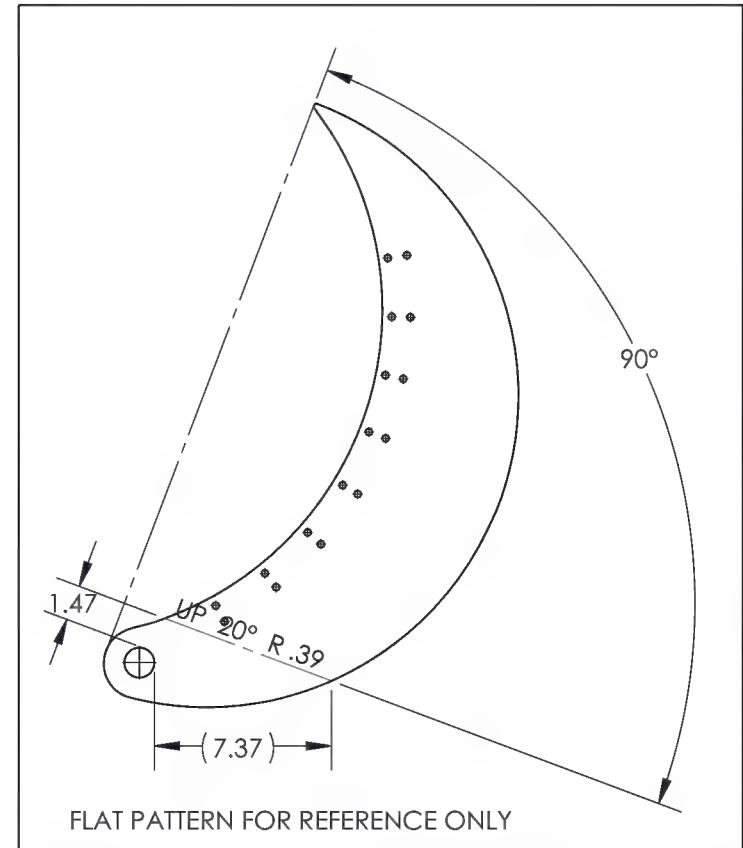
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



-39A

BENT FINGER (L)

UNDER REVIEW
URF 19-1078 19.10.29 (VM)



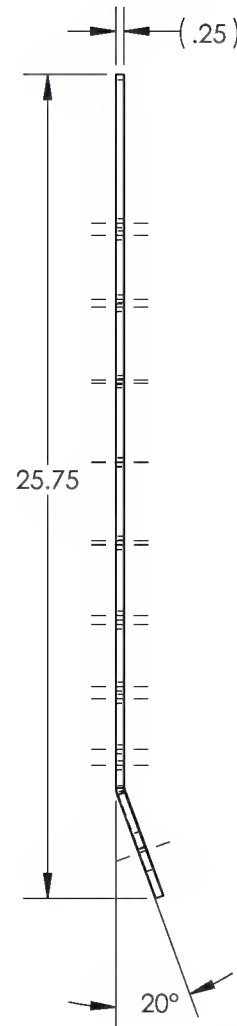
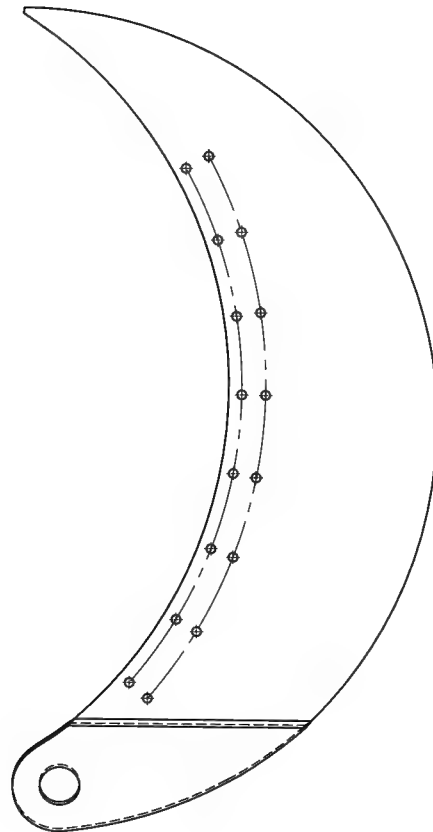
FLAT PATTERN FOR REFERENCE ONLY

NOTE:
1. USE -29 PART PROFILE BEFORE BENDING.

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-39A	REV
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .010 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .03 ANGLES ± 5°	FINISH SEE -35 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:6	DATE 12/15/2014 SHEET 23 OF 31

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

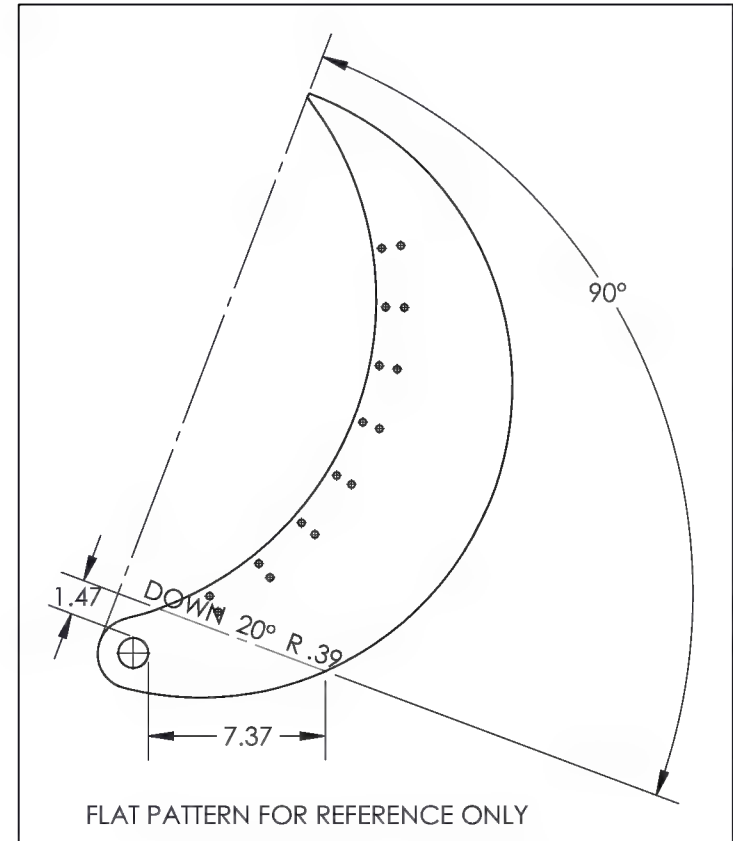


-39B

BENT FINGER (R)

UNDER REVIEW

URF 19-1078 19.10.29 (VM)



FLAT PATTERN FOR REFERENCE ONLY

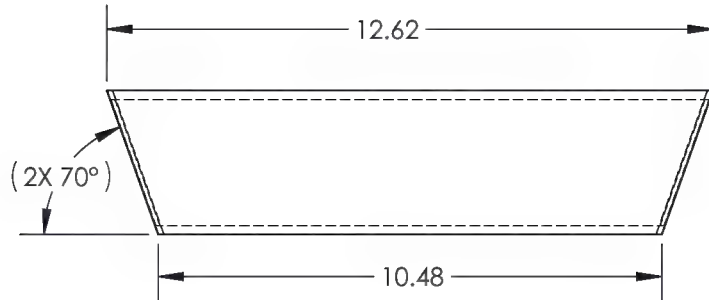
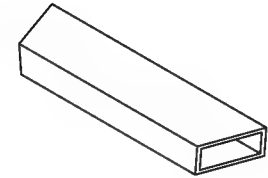
NOTE:

1. USE -29 PART BEFORE BENDING.

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-39B	REV
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .010	HEAT TREAT
.XX ± .03	FINISH SEE -35 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:6	DATE 12/15/2014
SHEET 24 OF 31	

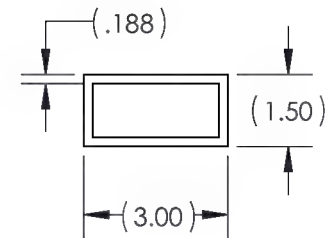
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REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	



UNDER REVIEW

URF 19-1078 19.10.29 (VM)



(-41)

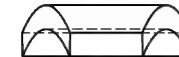
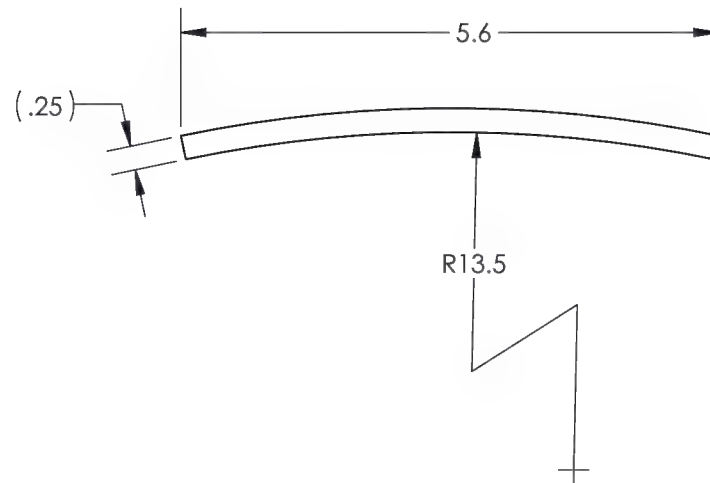
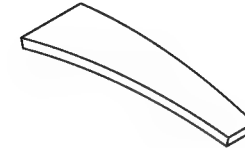
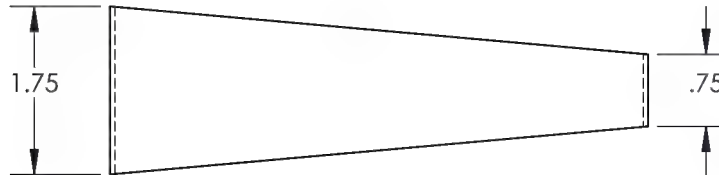
SHORT CROSS TUBE



TITLE		BODY SNATCHER	
DWG NO.		HT-100-BG-41	
MAT'L 6061		DRAWN BY: CLOUGH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>J Gilbert</i>	
.XXX ± .005 FRACTIONS ± 1/8		HEAT	
.XX ± .01 ANGLES ± 5°		TREAT	
.X ± .1		FINISH SEE -35 WELDMENT	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		SPEC	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL	
SCALE 1:4	DATE 12/11/2014	SHEET 25 OF 31	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



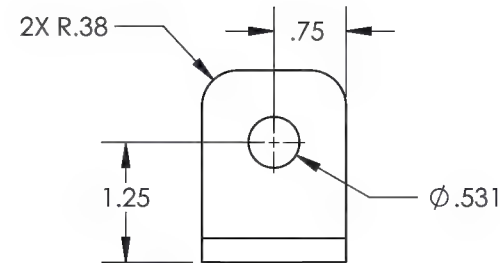
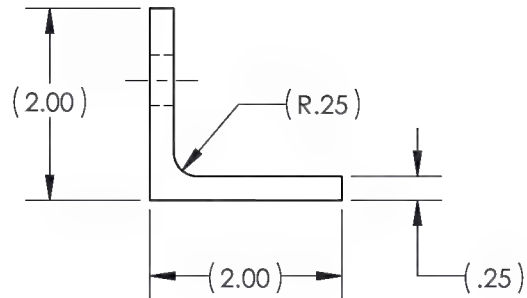
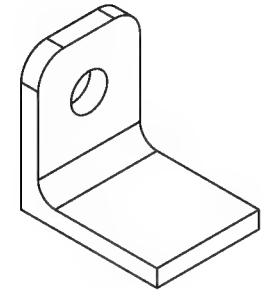
(-43)
SHORT STIFFENER

UNDER REVIEW
URF 19-1078 19.10.29 (VM)

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-43	REV
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .010	HEAT TREAT
.XX ± .03	FINISH SEE -35 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:2	DATE 12/11/2014
SHEET 26 OF 31	

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REV	ECR	DESCRIPTION	DATE	INITIAL
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UNDER REVIEW
URF 19-1078 19.10.29 (VM)

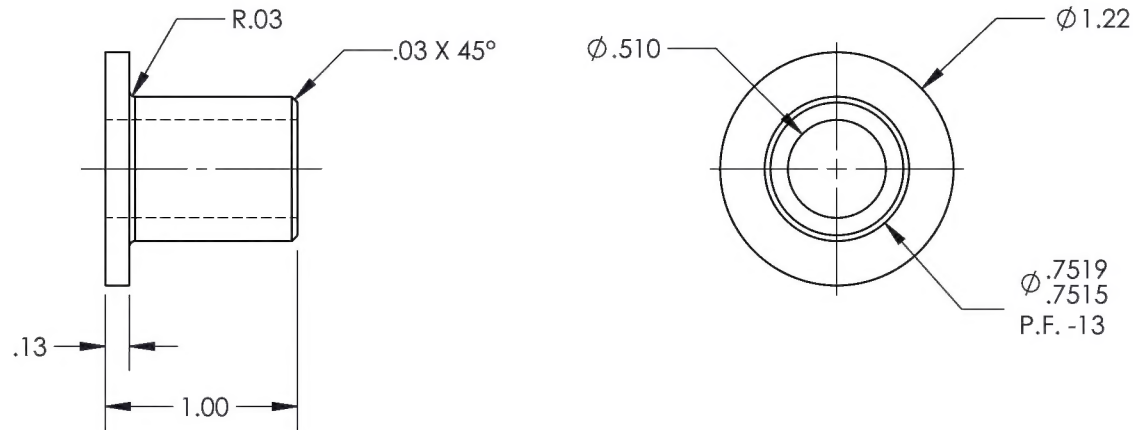
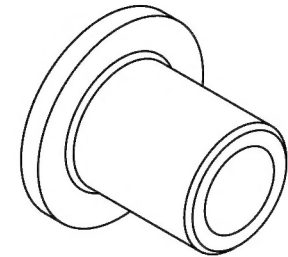
(-45)

ACTUATOR BRACKET

DART AEROSPACE		
TITLE BODY SNATCHER		
DWG NO. HT-100-BG-45	REV	
MAT'L 6061	DRAWN BY: CLOUGH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>	
.XXX ± .010	HEAT TREAT	
.XX ± .03	FINISH SEE -25 & -35 WELDMENT	
.X ± .1	SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
SCALE 1:2	DATE 12/11/2014	SHEET 27 OF 31

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



UNDER REVIEW

URF 19-1078 19.10.29 (VM)

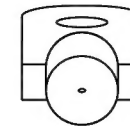
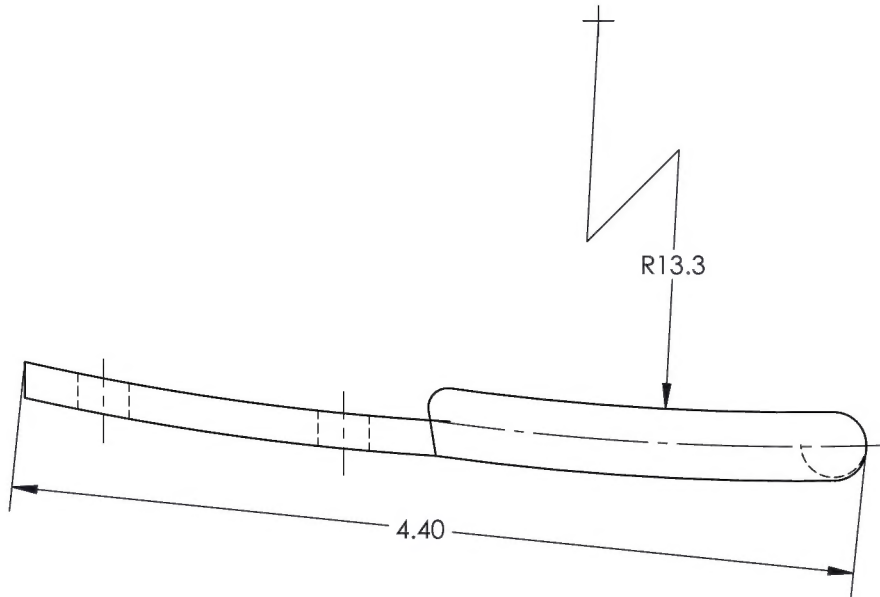
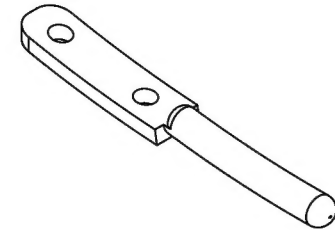
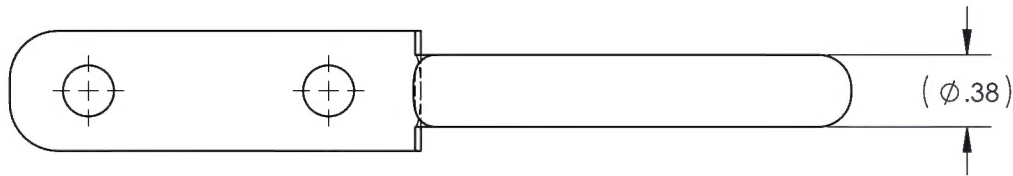
(47)

SIDE PLATE BOLT BUSHING

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-47	REV
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH
.X ± .1	CLEAR ANODIZE
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC MIL-A-8625F, TYPE II, CLASS I
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:1	DATE 12/12/2014
SHEET 28 OF 31	

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				APPROVED



(-49)

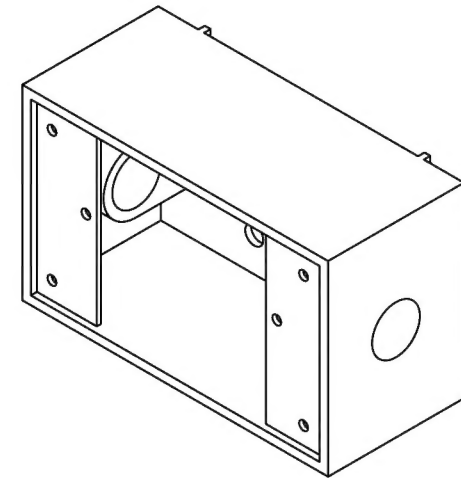
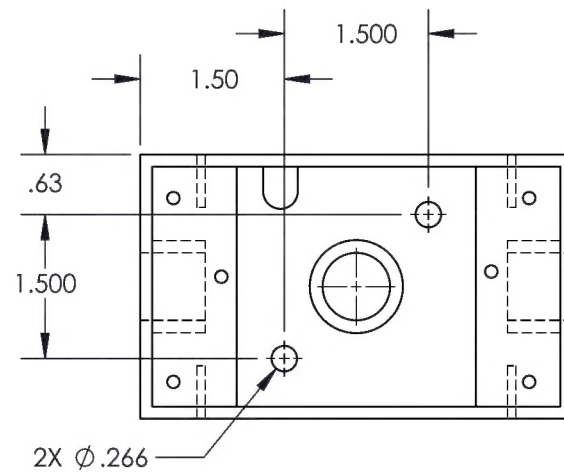
HOOK

UNDER REVIEW
URF 19-1078 19.10.29 (VM)

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-49	REV
MAT'L S.S.	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:1	DATE 12/19/2014
SHEET 29 OF 31	

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



UNDER REVIEW
URF 19-1078 19.10.29 (VM)

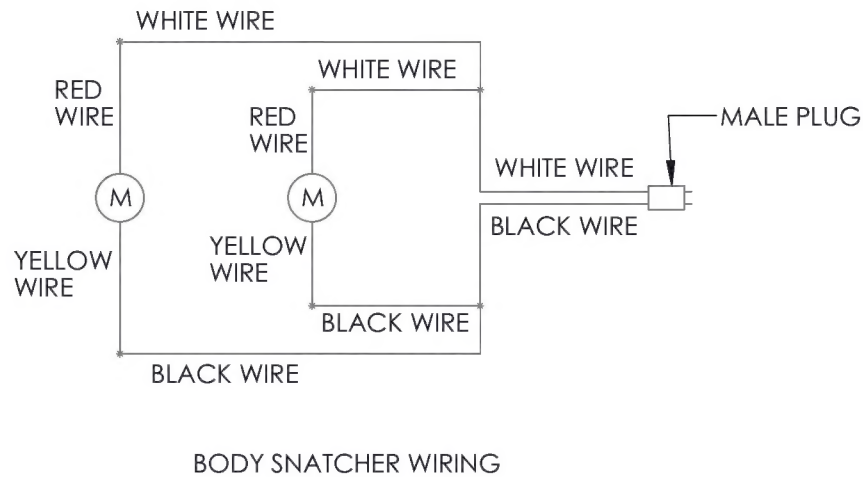
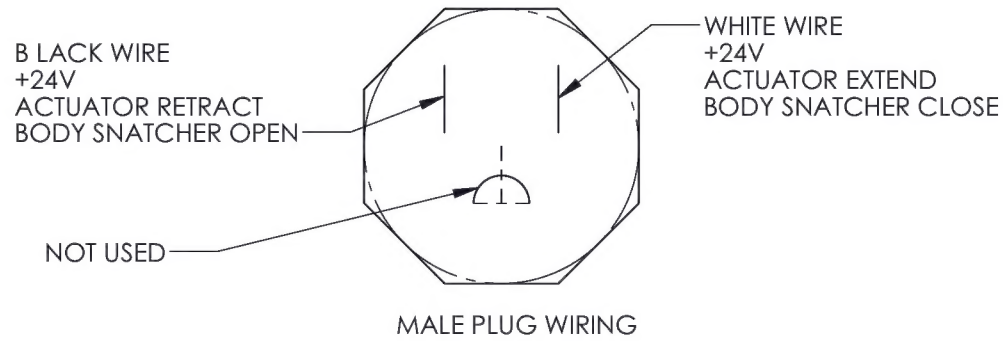
(-79)

WEATHERPROOF JUNCTION BOX

DART AEROSPACE		
TITLE BODY SNATCHER		
DWG NO. HT-100-BG-79	REV	
MAT'L ALUMINUM	DRAWN BY: CLOUGH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>	
.XXX ± .005	HEAT TREAT	
.XX ± .01	FINISH	
.X ± .1	SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
SCALE 1:2	DATE 12/19/2014	SHEET 30 OF 31

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



UNDER REVIEW
URF 19-1078 19.10.29 (VM)

DART AEROSPACE	
TITLE BODY SNATCHER	
DWG NO. HT-100-BG-WIRING	REV
MAT'L	DRAWN BY: WALLRICH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:2	DATE 1/23/2015
SHEET 31 OF 31	